

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1, 3-13 and 15-26 are pending in the application, with claims 1, 7, 13, and 20 being the independent claims. Claims 1, 13, and 20 are amended herein. Claim 7 is amended to more clearly recite features of the invention. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Objections to the Specification

The title of the invention was objected to as not being clearly indicative of the invention to which the claims are directed. The title is amended herein. Applicants respectfully request that the objection to the title be withdrawn.

Rejections under 35 U.S.C. § 103

In paragraph 2 of the Office Action, the Examiner rejected claims 1, 3-5, 13, 15, 18-19, 20-22, and 25-26 under 35 U.S.C. 103(a) as being unpatentable over Hongu et al. (Hongu) U.S. Patent 4,132,952 in view of Lam et al. (Lam) U.S. Patent 5,937,013. Further, in paragraph 3 of the Office Action, the Examiner rejected claims 6 and 23

under U.S.C. 103(a) as being unpatentable over Hongu in view of Lam, and further in view of Smith et al. (Smith) U.S. Patent 5,970,587.

Independent claim 1, as amended, recites, among other features, "aliasing said channel/band combination according to an aliasing signal, said aliasing signal having an aliasing frequency, said aliasing frequency being a function of a clock signal, wherein said aliasing transfers a portion of energy contained in a portion of the carrier signal, thereby generating a down-converted signal including said channel/band combination."

Independent claims 13 and 20, as amended, recite similar features. Neither Hongu nor any of the other cited documents teaches or suggests down-conversion by aliasing, wherein said aliasing transfers a portion of energy contained in a portion of the carrier signal. For at least this reason, Applicants respectfully submit that amended claims 1, 13, and 20, and all claims that depend therefrom (3-6, 15-19, and 21-26, respectively) are patentable. Therefore, Applicants respectfully request that the Examiner reconsider and withdraw the current rejections.

Objections to the Claims

In paragraph 5 of the Office Action, the Examiner objected to claims 16-17 and 24 as being dependent upon a rejected base claim, but stated that they would be allowable if rewritten in independent form including all of the features of the base claim and any intervening claims. Independent claims 13 and 20, from which claims 16-17 and 24 depend respectively, are amended herein to overcome their current rejections. Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the current objections.

Other Matters

Pursuant to a telephone call with Examiner Chow on July 20, 2004, it is being confirmed herein that claims 10 and 11 are canceled without prejudice to or disclaimer of the subject matter recited therein. Also re-submitted herewith are copies of the previously submitted formal drawings. Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Patrick E. Garrett", written over a horizontal line.

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